Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/12/2018 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125056	0	1.55	125048	1.54
Blue	F	SSC	125000	124009	-1	1.45	124505	1.46
Blue	E	FITC	15760	15374	-3	2.91	328	22.91
Blue	D	PE	25880	25269	-3	1.95	547	16.81
Blue	B	PerCP-Cy5-5	34075	33847	-1	4.16	1030	22.95
Blue	A	PE-Cy7	22776	22763	-1	7.22	547	45.47
Red	C	APC	42488	41861	-2	2.73	1586	13.56
Red	A	APC-Cy7	24478	24093	-2	2.83	827	13.11
Violet	B	V450	6304	6043	-5	3.96	392	15.35
Violet	A	V500	26005	25055	-4	3.61	597	12.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20547	7.22	608	11	N/A	N/A	Pass
Blue	F	SSC	56955	1.09	574	19	N/A	N/A	Pass
Blue	E	FITC	57	75.94	562	6	0.0153	195	Pass
Blue	D	PE	115	57.86	556	7	0.1310	315	Pass
Blue	B	PerCP-Cy5-5	198	54.68	655	8	0.0072	52	Pass
Blue	A	PE-Cy7	110	110.24	708	11	0.0090	24	Pass
Red	C	APC	378	27.51	603	3	0.0186	49	Pass
Red	A	APC-Cy7	203	28.61	572	1	0.0046	830	Pass
Violet	B	V450	76	58.95	493	4	0.0339	3012	Pass
Violet	A	V500	92	43.00	510	4	0.0135	1031	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/12/2018 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.91	-30.81	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.87	13.60 - 20.40	N/A	N/A	30.95	31.20	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9961

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments